

Vectors and Sampled Functions

Vector Entries

$$\mathbf{x} = [x_1, x_2, \dots, x_n]$$

entries/components are x_1, x_2, \dots, x_n

Vector Plot

$$\mathbf{x} = [x_1, x_2, \dots, x_n]$$

vector plot $\rightarrow \{(1, x_1), (2, x_2), \dots, (n, x_n)\}$

N equally spaced nodes

$$t_k = a + \frac{b-a}{N} k, \quad k=0, 1, 2, \dots, N-1$$